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Addendum

PROJECT:
Department of Veterans Affairs
Ft. Meade Medical Center
Ft. Meade, South Dakota
Replace Emergency Generators
(Buildings 137 and 148)

ADDENDUM NO. 1

DATE ISSUED: 11/8/2012

BIDS DUE: 11/16/2012

TSP PROJECT NUMBER: 04121052

PROPOSAL NOTICE:

The following changes or modifications are to be incorporated into and become a part of the Contract Documents. The Bidder shall note receipt and make acknowledgement of this Addendum on the Bid Proposal, incorporating these provisions in the bid.

PROJECT MANUAL:

ITEM NO. 1: Specification Section 263213 Engine Generators

A. In section 2.11 Generator, add the following:
   a. Provide 105C temp rise generator.
   b. Provide UL listed overcurrent protection device.
B. In section 2.13 Controls, add the following:
   a. Controls shall be microprocessor based.
   b. Controls shall be directly compatible with existing transfer switch, where applicable, and communicate in same language (Lonworks) as existing system.
C. Salvage – existing generators removed during demolition shall become the property of the Division 26 contractor.
D. Section 2.5 Fuel System, sub-section B.2 – delete sub-section 2.5.B.2. Sub-base fuel tanks for both generators shall be 375 gallons.
E. Engine-generator shall be of same manufacturer as corresponding transfer switch.

ITEM NO. 2: Specification Section 263223 Automatic Transfer Switches

A. Delete 2.1.B.9 reference to Programmed Neutral Switch position.
B. In section 2.1B add the following:
   a. Metering – must be in bar graph display for load metering.
   b. Manual operator – capable of transferring in either direction under full load with one person operation.
C. Remote annunciator: no new remote annunciators required.
D. Salvage – existing transfer switch removed during demolition shall become the property of the Division 26 contractor.
E. Automatic transfer switch shall be of same manufacturer as corresponding engine-generator.
F. Automatic transfer switch shall be isolation-bypass type. The following shall be added to 263223, section 2:

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2.3 BYPASS/ISOLATION SWITCH

A. Provide each automatic transfer switch with two-way bypass/isolation manual type switch. The bypass-isolation switch shall permit load by-pass to either normal or emergency power source and complete isolation of the automatic transfer switch, independent of transfer switch position. Bypass and isolation shall be possible under all conditions including when the automatic transfer switch is removed from service.

B. Operation: The bypass/isolation switch shall have provisions for operation by one person through the movement of a maximum of two handles at a common dead front panel in no more than 15 seconds. Provide a lock, which must energize to unlock the bypass switch, to prevent bypassing to a dead source. Provide means to prevent simultaneous connection between normal and emergency sources.

1. Bypass to normal (or emergency): Operation of bypass handle shall allow direct connection of the load to the normal (or emergency) source, without load interruption or by using a break-before-make design, or provide separate load interrupter contacts to momentarily interrupt the load.
   a. Ensure continuity of auxiliary circuits necessary for proper operation of the system.
   b. A red indicating lamp shall light when the automatic transfer switch is bypassed.
   c. Bypassing source to source: If the power source is lost while in the bypass position, bypass to the alternate source shall be achievable without re-energization of the automatic transfer switch service and load connections.
2. Isolation: Operation of the isolating handle shall isolate all live power conductors to the automatic transfer switch without interruption of the load.
   a. Interlocking: Provide interlocking as part of the bypass/ isolation switch to eliminate personnel-controlled sequence of operation, and to

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prevent operation to the isolation position until the bypass function has been completed.

b. Padlocking: Include provisions to padlock the isolating handle in the isolated position.

c. Visual verification: The isolation blades shall be visible in the isolated position.

3. Testing: It shall be possible to test (normal electrical operation) the automatic transfer switch and engine-generator(s) with the isolation contacts closed and the load bypassed without interruption of power to the load.

C. Ratings: The electrical capabilities and ratings of the bypass/isolation switch shall be compatible with those of the associated automatic transfer switch, including any required additional withstand tests.

DRAWINGS:

The following drawings require changes in construction, which are not reflected on same. The Bidder agrees to comply with these changes and mark each drawing as noted:

ITEM NO. 1: Drawing E-101, Building 137 – Electrical Plans

1. Revise sheet keynote 12, which shall require a 375 gallon fuel tank in lieu of a 300 gallon (minimum) tank.

ITEM NO. 2: Drawing E-102, Building 148 – Electrical Plans

1. Revise sheet keynote 13, which shall require a 375 gallon fuel tank.

ATTACHMENTS:

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END OF ADDENDUM